

Series FXA Electric Pump



MJ Systems, LLC
Authorized CheckPoint Distributors
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PUMP CATEGORY

Type: Plunger
 Control: DFC, HSV or Motor Speed
 Stroke: 0.75 in (19 mm) Fixed

FLOW RATE

0.01- 35.92 USG/H (0.037 - 136.05 L/H)

PRESSURE

0 - 15,000 PSIG (0 - 1,034 BARG)

SUPERIOR DESIGN

- Durable, High-Quality Materials
- Accurate and Repeatable Injection
- Quick Maintenance and Low Downtime
- High Return on Investment

CHEMICAL RESISTANCE

Proprietary, high-quality seal materials enable CheckPoint pumps to provide unparalleled chemical resistance. Wetted components are available in an array of materials. Chemical applications include, but are not limited to:

- Scavengers (H₂S, O₂, CO₂)
- Hydrate Inhibitors (MeOH, MEG, LDHI)
- Foamers and Defoamers
- Corrosion, Scale, and Paraffin Inhibitors
- Clarifiers, Biocides, Bleaches, and Acids

WARRANTY

CheckPoint guarantees 40 months of material and workmanship.

FXA MODEL	FLOW RATE (MINIMUM) USG/H (L/H)	FLOW RATE (MAXIMUM) USG/H (L/H)	WORKING PRESSURE (MAXIMUM) PSIG (BARG)	PLUNGER DIAMETER IN (MM)	DIMENSIONS L X W X H IN (MM)	WEIGHT LB (KG)	SUCTION CONNECTION	DISCHARGE CONNECTION
1250 1/8" HP	0.01 (0.04)	0.22 (0.83)	12,000 (827)	1/8 (3.2)	22 (558) X 15.3 (389) X 12.3 (312)	64 (29)	1/4" MNPT	1/4" MNPT
1250 3/16"	0.02 (0.08)	0.50 (1.91)	7,500 (517)	3/16 (4.89)	22 (558) X 15.3 (389) X 12.3 (312)	64 (29)	1/4" MNPT	1/4" MNPT
1250 1/4"	0.04 (0.15)	0.91 (3.44)	7,500 (517)	1/4 (6.4)	22 (558) X 15.3 (389) X 12.3 (312)	64 (29)	1/4" MNPT	1/4" MNPT
1250 1/4" HP	0.04 (0.15)	0.91 (3.44)	12,000 (827)	1/4 (6.4)	22 (558) X 15.3 (389) X 12.3 (312)	64 (29)	1/4" MNPT	1/4" MNPT
1250 3/8"	0.09 (0.34)	2.13 (8.08)	7,500 (517)	3/8 (9.5)	22 (558) X 15.3 (389) X 12.3 (312)	64 (29)	1/4" MNPT	1/4" MNPT
1250 1/2"	0.15 (0.57)	3.85 (14.57)	7,500 (517)	1/2 (12.7)	22 (558) X 15.3 (389) X 12.3 (312)	64 (29)	1/4" MNPT	1/4" MNPT
1500 3/8" HP	0.086 (0.33)	2.13 (8.08)	15,000 (1,034)	3/8 (9.52)	22.7 (577) X 16.6 (421) X 12.8 (325)	71 (32)	1/2" MNPT	3/8" AC
1500 1/2" HP	0.15 (0.57)	3.85 (14.57)	10,000 (689)	1/2 (12.7)	22.7 (577) X 16.6 (421) X 12.8 (325)	71 (32)	1/2" MNPT	1/2" MNPT
1500 3/4"	0.34 (1.29)	8.75 (33.15)	4,500 (310)	3/4 (19.05)	22.7 (577) X 16.6 (421) X 12.8 (325)	71 (32)	1/2" MNPT	1/2" MNPT
1500 1"	0.61 (2.31)	15.74 (59.63)	2,500 (172)	1 (25.4)	22.7 (577) X 16.6 (421) X 12.8 (325)	71 (32)	1/2" MNPT	1/2" MNPT
1500 1-1/2"	1.38 (5.22)	35.92 (136.05)	1,100 (76)	1-1/2 (38.1)	22.6 (575) X 17.7 (451) X 12.8 (325)	86 (39)	3/4" MNPT	3/4" MNPT

Tabular data represents VFD controlled version and should be used for quick reference only. See performance curves for accurate pump selection. FXA series pumps are available in single, dual and triple-headed configurations. Chart reflects single head pump with 1,750 RPM motor and 13.18:1 reducer. For 1,450 RPM motor, multiply flow by 0.83. Gearboxes vary. Contact CheckPoint for additional data.





CheckPoint's **Series FXA** represents a modular, scalable electric pump with a highly efficient drive mechanism. Single and multiple FXA drives accommodate a variety of motors and a full range of plunger diameters from 1/8" to 1-1/2", in conjunction with any **Series 1250 or 1500** chemical head. Flow can be controlled mechanically by a CheckPoint Direct Flow Controller (DFC), or hydrostatic speed variator (HSV), or electronically by a variable frequency drive (VFD).

The Series FXA pump delivers up to 35.92 USG/H (**136.05 L/H**) and can reliably inject into pressures up to 15,000 PSIG (**1,034 BARG**). CheckPoint's modularly designed chemical heads and range of plunger sizes meet a wide variety of injection applications. Our pumps maintain unparalleled chemical resistance due to the essential integration of high-quality, proprietary seal materials. In order to meet a wide variety of chemical compatibility needs, wetted parts are available in an array of materials, such as 316 SS, Hastelloy C-276, Duplex 2205, Super Duplex 2507, PVC, ceramic and titanium, and seals are available in Viton, HNBR, FKM, and FFKM. All wet end construction materials meet the requirements of NACE MRO175 and ISO 15156.

We recommend "Plug & Play" injection packages (as pictured below) as an optimum solution to efficiently and effectively integrate chemical injection into your process. CheckPoint has engineered, manufactured, and sourced high-quality components which, combined in a package with our pumps, maximize product life and optimize productivity. We also offer custom system design and technical services to meet specialty product requirements. CheckPoint will create a solution that meets your specific chemical injection needs, from concept to completion.



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